



TWELVE (12) SHEETS OF FORMAL  
SUBSTITUTE DRAWINGS  
Attorney Docket No.: P-AR 4528  
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By Andrea L. Gashler  
Andrea L. Gashler, Reg. 41,029

August 3, 2001  
Date of Signature

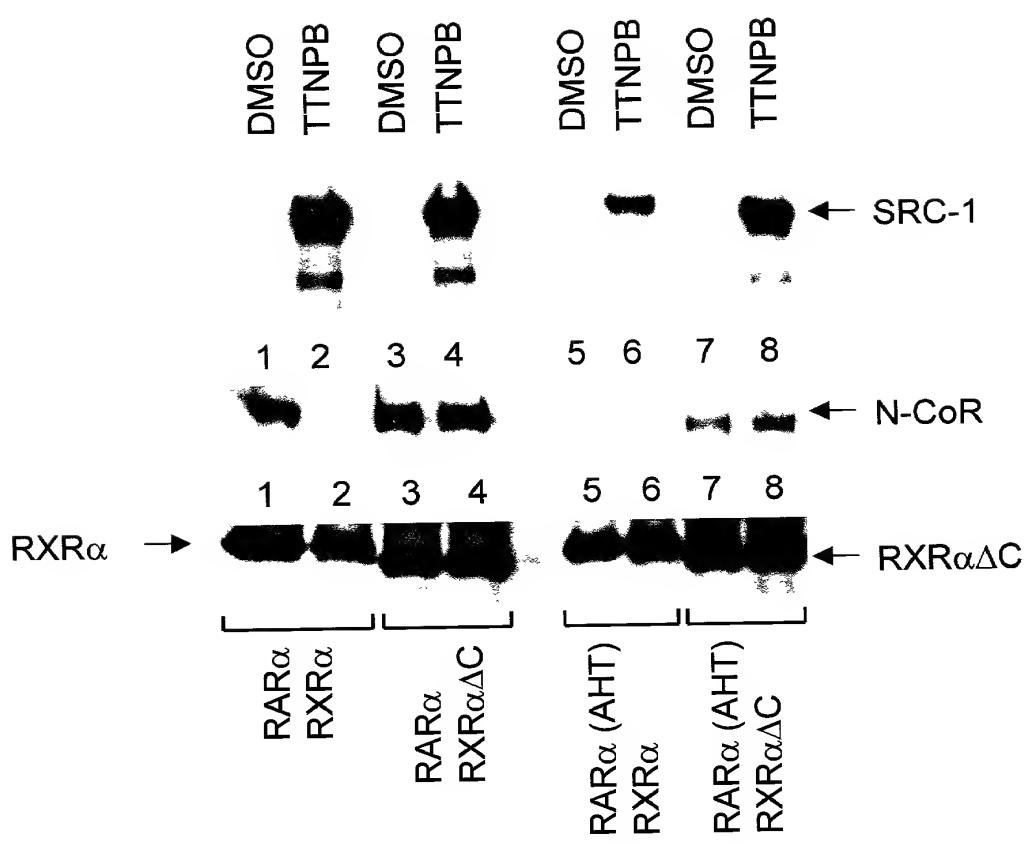


FIG. 1

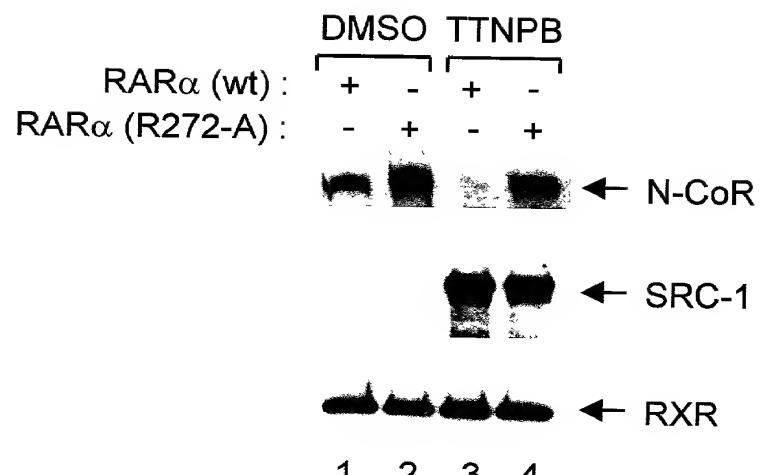
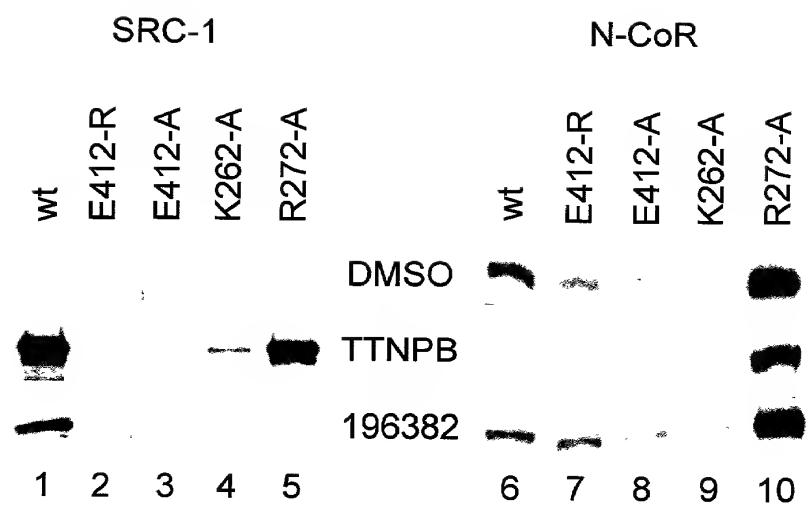
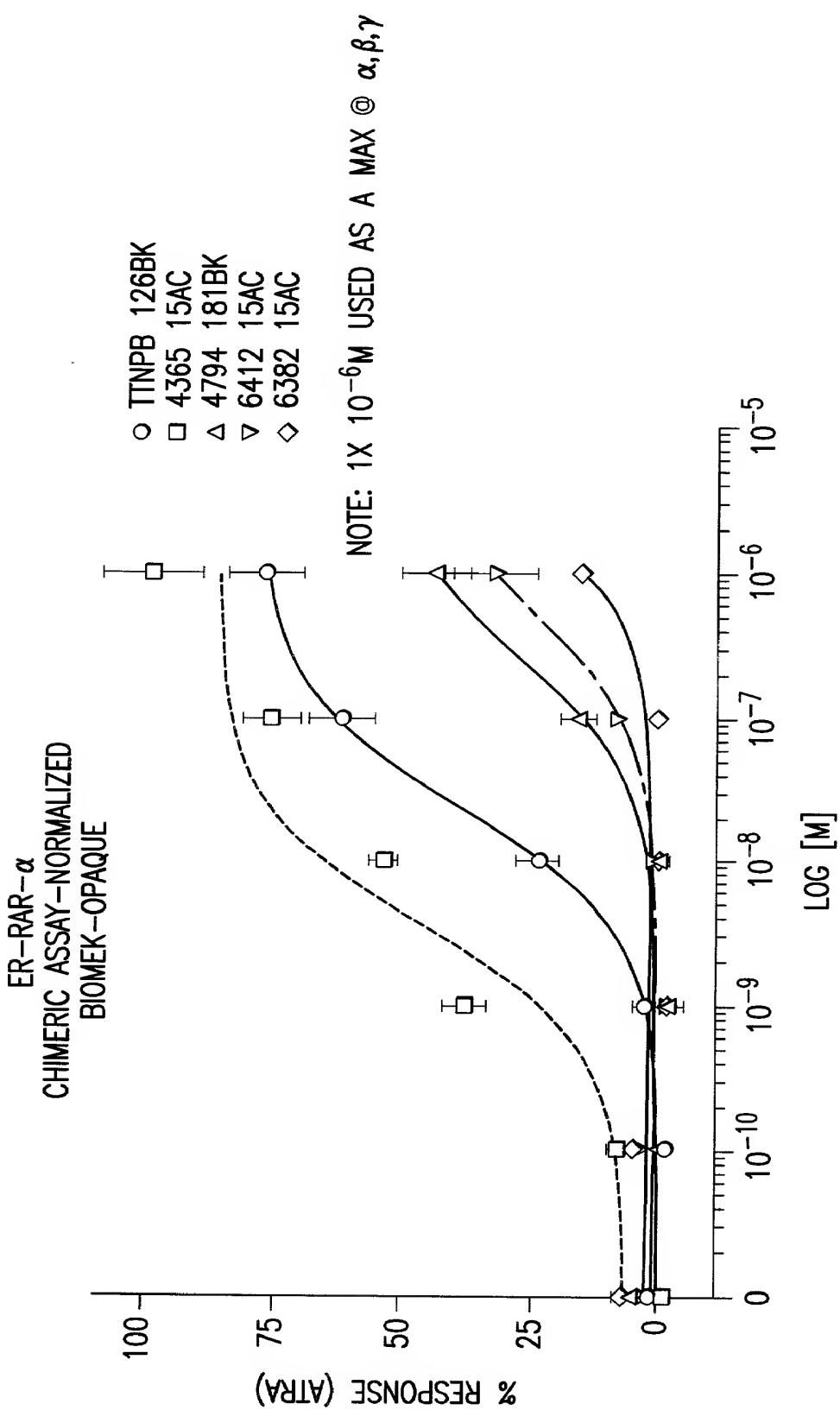


FIG.2A



**FIG.2B**

FIG. 3A



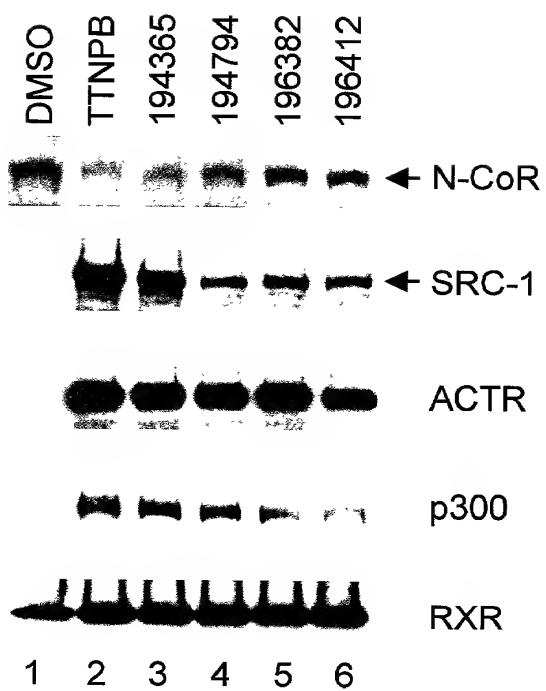


FIG.3B

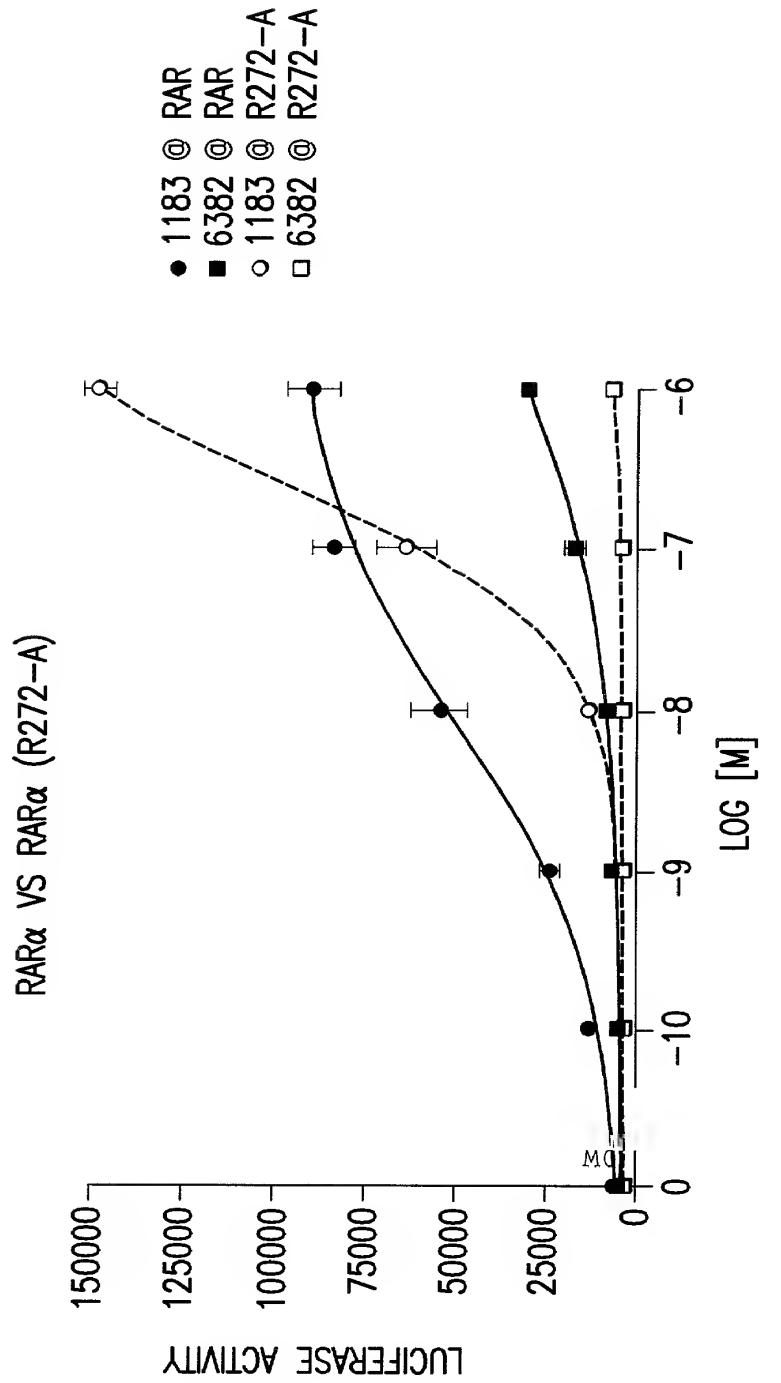


FIG.4

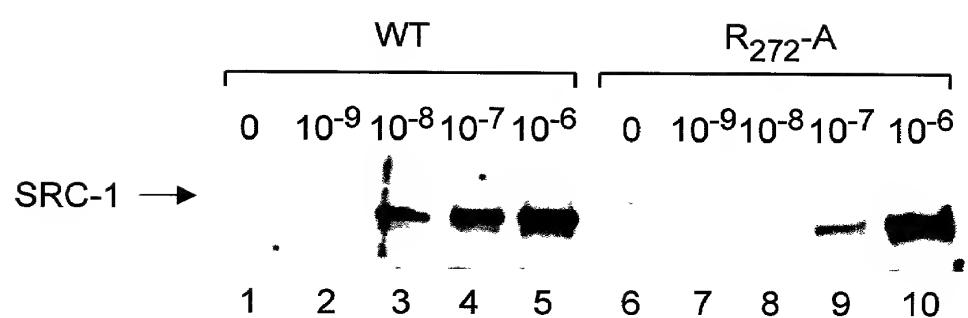


FIG.5A

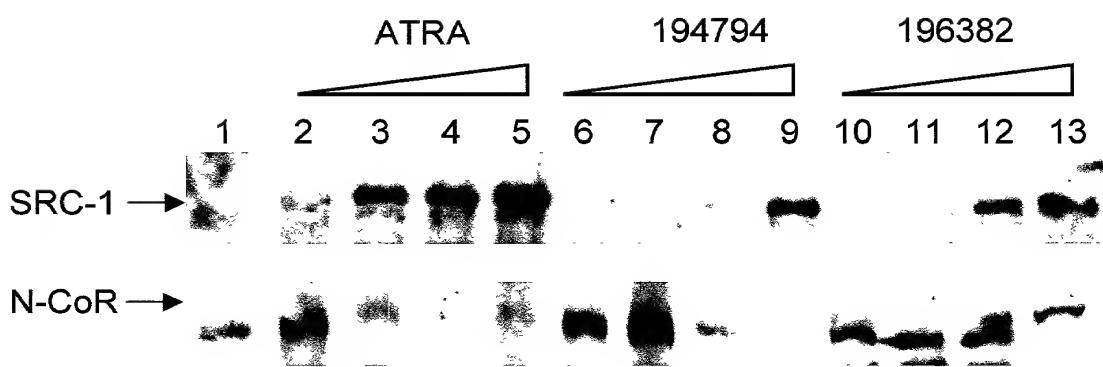
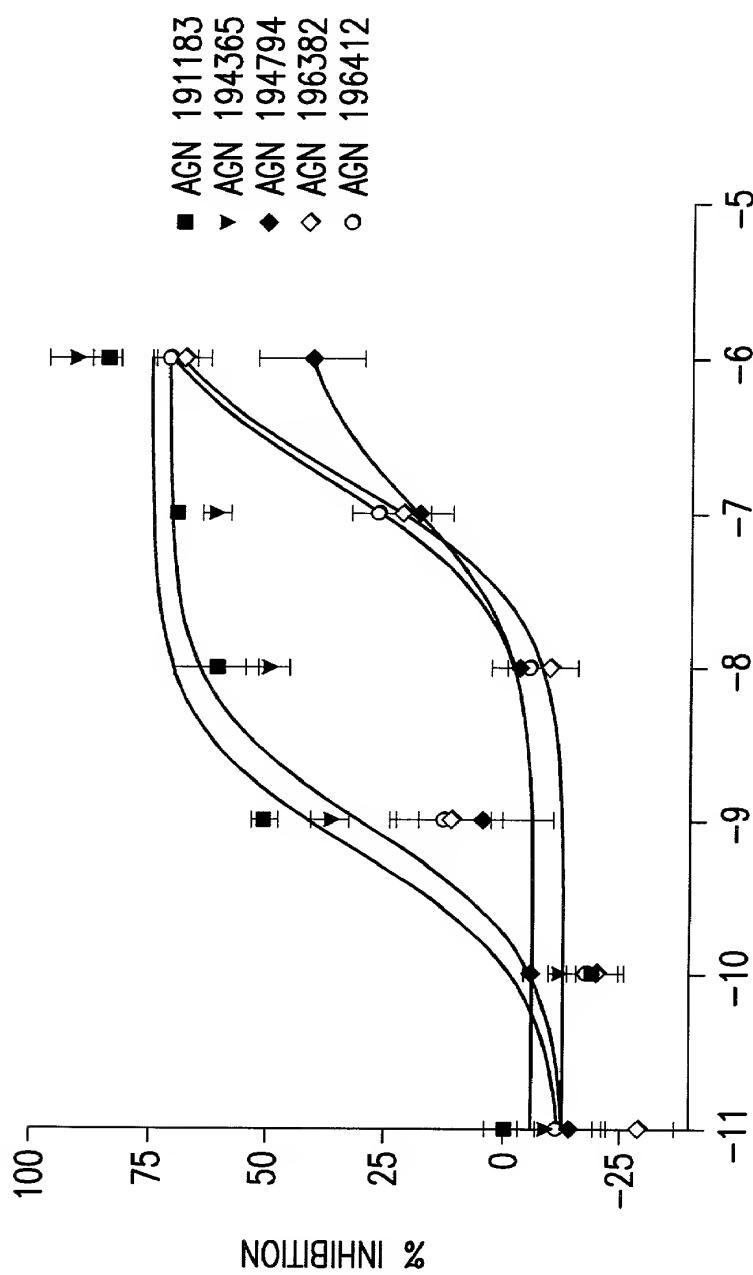


FIG.5B

FIG. 6



MASNSSCPTPGGHLNGYPVPPYAFFPPMLGGLSPPGALTTLQHQLPVSGYSTPSATIE  
TQSSSEEIVPSPPSPPLPRIYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMVYTC  
HRDKNCIINKVTRNRCQYCRQLQKCFEVGMSKESVRNDRNKKKEVPKPECSESYLTPEVGE  
LIEKVRKAHQETFPALCQLGKYTTNSSEQRVSLDIDLWDKFSELSTKCIIKTVDFAKQLPG  
FTTLTIADQITLLKAACLDILILRRICTRTPEQDTMTFSGTLTNRTQMHNAGFGPLTDLVF  
AFANQLPLEMDDAETGLLSAICLICGDRQDLEQPDRVDMQLQEPILLEALKVYVRKRRPSRPH  
MFPKMLMKITDLRSISAKGAERVITLKMEIPGSMPPLIQEMLENSEGLDLTSQQPGGGGRDG  
GGLAPPGSCSPSLSPSSNRSSPATHSP

FIG.7A

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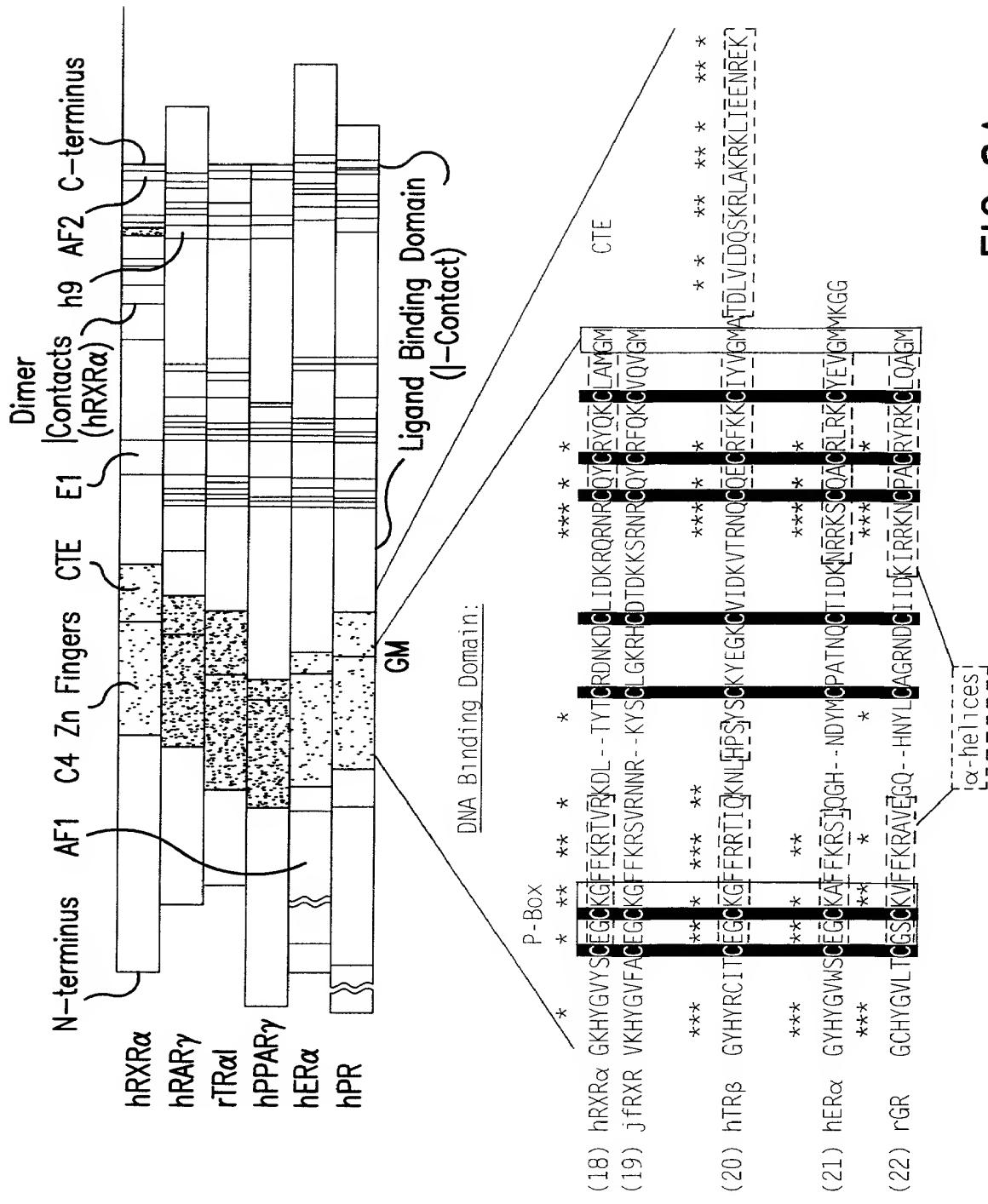
MFDCMDVLSVSPGQILDFTASPSSCMLQEKALKACFSGLTQTEWQHRHTAQSIETQSTSSE  
ELVPSPPSPLPPPRVYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMIYTCHRDKN  
IINKVTRNRCQYCRQLQKCFEVGMSKESVRNDRNKKKETSKQECTESYEMTAELDDLTEKIRK  
AHQETFPSLCQLAKYTTNSSADHRVRLDLGLWDKFSELATKCIIKIVEFAKRLPGFTGLTIA  
DQITLLKAACLDILILRRICTRTPEQDTMTFSGTLTNRTQMHNAGFGPLTDLVFTFANQLL  
PLEMDDDETGLLSAICLICGDRQDLEEPTKVDKLQEPILLEALKIYIRKRRPSKPHMFPKILM  
KITDLRSISAKGAERVITLKMEIPGSMPPLIQEMMENSEGHEPLTPSSSGNTAEHSPSISPS  
SVENSGVSQSPLVQ

FIG.7B

MATNKERLFAAGALGPGSGYPGAGFP AFPGALRGSPPFEM LSPSFRGLGQPDLPKEMASLS  
VETQSTSSEEMVPSPPSPPPPRVYKPCFVCNDKSSGYHYGVSSCEGCKGFFRRSIQKNMVY  
TCHRDKN C IINKVTRNRCQYCRQLQKCFEVGMSKEAVRNDRNKKKEVKEEGSPDSYELSPQL  
EELITKVSKAHQETFPSLCQLGKYTTNSSADHRVQLDLGLWDKFSELATKCIIKIVEFAKRL  
PGFTGLSIADQITLLKAACLDILMLRRICTRTPEQDTMTFSGTLTNRTQMHNAGFGPLTDL  
VFAFAGQLLPLEMDDDETGLLSAICLICGDRMDLEEPEKVDKLQEPILLEALRLYARRRRPSQ  
PYMFPRMLMKITDLRGISTKGERAITLKMEIPGPMPPLIREMLENPEMFEDDSSQPGPHPN  
ASSEDEVPGGQKGGLKSPA

FIG.7C

**FIG. 8A**



	E1 Region	Heptad 9 (h9)	AF2 Domain
(23)	Hrx $\alpha$	WAKRIPHFSSELPLDDQVILL	(33) hRXR $\alpha$
(24)	jfrXR	WAQRRLPHFRDLASIADQVVLL	(34) jfrXR
(25)	hTR $\alpha$ 1	FAKKLPMFSELPCEDQIILL	(35) hTR $\alpha$ 1
(26)	hRAR $\gamma$	FAKRLPGFTGLSIADQITLL	(36) hRAR $\gamma$
(27)	hPPAR $\gamma$	YAKS1PGFWNLNDQVTLL	(37) hPPAR $\gamma$
(28)	hLXR	FAKQLPGFLQLSREDQIALL	(38) hLXR
(29)	hVDR	FAKMMIPGFRDLTSEDQIVLL	(39) hVDR
(30)	hER	WAKRVPGFVDLTLHDQVHLL	(40) hER
(31)	hGR	WAKATIPGFRNLHLDQDMTLL	(41) hGR
(32)	hPR	WSKISLPGFRNLHIDDQITLI	(42) hPR
			(43) hRXR $\alpha$
			(44) jfrXR
			(45) hTR $\alpha$ 1
			(46) hRAR $\gamma$
			(47) hPPAR $\gamma$
			(48) hLXR
			(49) hVDR
			(50) hER
			(51) hGR
			(52) hPR

[α-helix 3]  
[α-helix 4]

[α-helix 10/11]

[α-helix 12]

## FIG. 8B